

The World's Highest-Performance Electrical Cable to Support Power Demand

Registration No.	Number 00175		
Registration Date	September 2, 2014	Registration Category	Category 1

Name (Model, etc.)	Extrusion Molded Joints (EMJ) for 500kV CV Cable
Location	Yokohama City, Kanagawa
	Tokyo Electric Power Co., Inc.
Owner (Custodian)	Tokyo Electric Power Co., Inc.
Manufacturer (Company)	Furukawa Electric Co., Ltd.
Year Manufactured	1996
Year first appeared	1996
Reason For Selection	The world's first use of extrusion molded joints (EMJ) for 500kV long distance CV cable. Used in 2000 for 39.8km of the TEPCO Shin-Toyosu line. EMJs are a system of joining cables using a small extruder and a mold onsite to press the same cross-linked polyethylene as the cable insulation to form, heat and then pressurize the insulation.
Registration Standard	1 - B(Show a uniquely Japanese scientific or technological development from an international perspective.)

Open/Closed to Public	Closed to Public
Photo	
Other useful information	